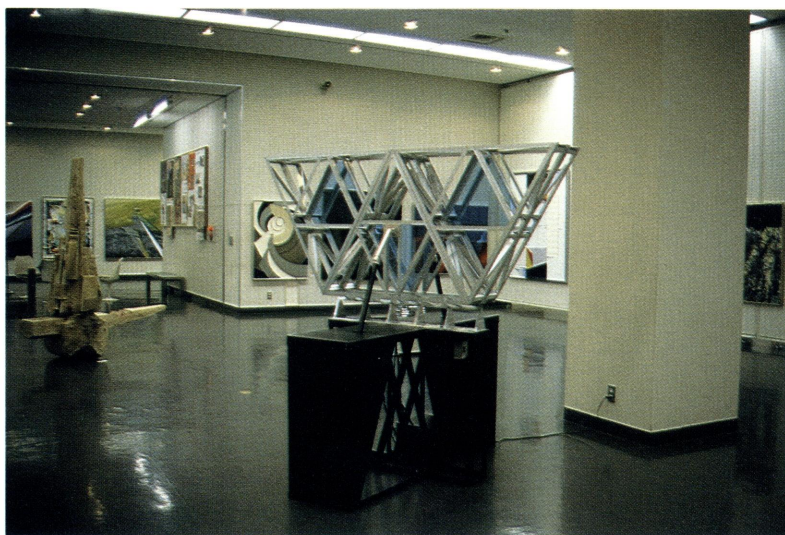


## The Three-Dimensional Work : folding structure hexahedron 1

Michito Oda\*

The Three-Dimensional Work, 'folding structure hexahedron 1' was on display at the 90's Exhibition of Selected Works by the Modern Art Association in Saitama in September 1990. This is the third work of polyhedral forms with 'folding structure', and consists of six facets of a regular triangle (Figure 1). This has a supersonic sensor and two motors, and moves when someone approaches it. Since it is controlled with a programmed controller, it starts from the folded state (Figure 2-1) and stops halfway in 5 seconds (Figure 2-4) and goes to the unfolded end (Figure 2-6), but does not stop on the way back (Figure 2-6 → 5 → ... → -1).

The purpose of my 'folding structure' series is to find out the various possible forms under the condition of having 'folding structure'. My two previous works of these polyhedral forms are 'folding structure tetrahedron' (1989) and 'folding structure hexahedron 2' (1990).



folding structure hexahedron 1

aluminum

2000 × 866 × 300 (1733 × 1245 × 1078) mm (not including motor)

The 90's Exhibition of Selected Works by the Modern Art Association, 1990  
Saitama Prefectural Modern Art Museum

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\* associate professor, Department of Art, Faculty of Education, Nagasaki University

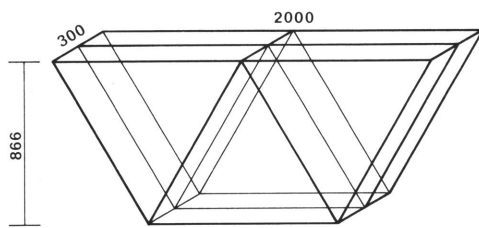
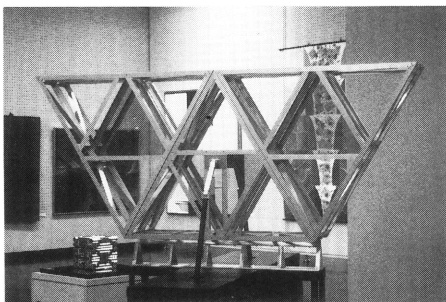
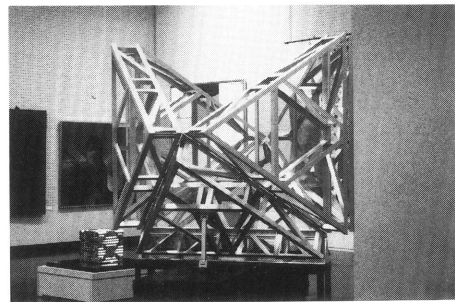


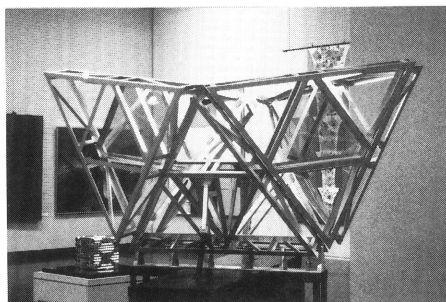
Figure 1 The oblique parallel drawing of 'folding structure hexahedron 1'



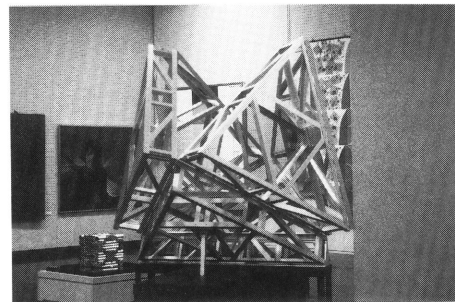
1 the folded state



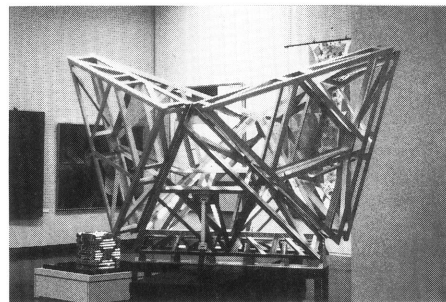
4 the state of stopping halfway



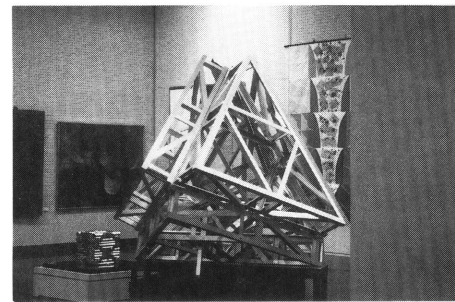
2



5



3



6 the unfolded state

Figure 2 'folding structure hexahedron 1' in motion